

U.S. Application No. 09/933,198

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ABSTRACT OF THE DISCLOSURE

In a color image projection apparatus using a color wheel to illuminate a spatial optical modulator with light in color sequence, light reflected from the color wheel is added to light having passed through the color wheel, and the combined light is spatially modulated by the spatial optical modulator to form an image. If the light reflected at the incident surface of the color wheel is guided to the exit surface of the color wheel, and combined with the light having passed through the color wheel, the light utilization efficiency is improved. Any type of images can be projected with improved brightness.